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ABSTRACT OF THE DISCLOSURE

10 A transmission apparatus includes a reception line
selecting unit, a communication confirming frame
transmitting unit, a communication confirming table, and
a reception line deciding unit. The reception line
selecting unit selects one of several reception lines
each formed by the synchronous network. The frame
15 transmitting unit transmits a communication confirming
frame to the synchronous network at least at a
predetermined period. The communication confirming table
stores each reception time of the communication
confirming frame received through the synchronous
20 network. The deciding unit decides occurrence of failure
on the reception line corresponding to the reception time
when a difference between a reception time stored in the
table and a present time at the predetermined period
exceeds a predetermined value, and transmits instructions
25 for switching the reception line to the reception line
selecting unit.

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